

ABSTRACT OF THE DISCLOSURE

There is provided an image forming apparatus such as a latent image forming apparatus, in which the density of a half tone is stable independent on a write position of a main scanning line, even if a plurality of semiconductor lasers are used. The image forming apparatus has a latent image forming unit for pulse-width-modulating a drive signal of the semiconductor laser in response to the write position of image data.

The latent image forming unit has an image sorting circuit for sorting the image data into an odd line and an even line, a memory for storing a turning on position, a pulse generating position control circuit for generating a pulse generating position signal, a PWM circuit for generating a triangular wave in accordance with the pulse generating position signal, and a beam-A-circuit and a beam-B-circuit, which control beams from the semiconductor laser.